|       |          |       |          |              |               |           |                |                |            |            |          |          |          | 10/690,642   |         |         |         |  |        |              |          |          | KUNIMOCHI ET AL. |              |          |                |        |       |          |              |                 |   |
|-------|----------|-------|----------|--------------|---------------|-----------|----------------|----------------|------------|------------|----------|----------|----------|--------------|---------|---------|---------|--|--------|--------------|----------|----------|------------------|--------------|----------|----------------|--------|-------|----------|--------------|-----------------|---|
|       |          |       |          |              |               |           |                |                |            |            |          |          | Examiner |              |         |         |         |  |        |              | Art Unit |          |                  |              |          |                |        |       |          |              |                 |   |
|       |          |       |          |              |               |           |                |                |            |            |          |          | ا_       | Ali Alavi    |         |         |         |  |        |              |          |          | 2875             |              |          |                |        |       |          |              |                 |   |
|       |          | 1     | R        | eje          | cte           | be        |                | (Through numer |            |            |          |          |          | ral          | al) N   |         |         | Non-Elected                            |        |              |          | A        |                  | Appeal       |          |                |        |       |          |              |                 |   |
|       |          | =     | Allowed  |              |               |           |                | ŀ              | •          | Restricted |          |          |          |              |         |         |         | -                                      |        | Interference |          |          |                  | 0            | Objected |                |        |       |          |              |                 |   |
| Cia   | aim e    | _<br> | Date     |              |               |           |                |                | ——<br>Tiii | С          | Claim    |          |          |              | Dat     |         | te      |  | iii ci |              | aim      | _        |                  | Date         |          |                | ,<br>  |       |          |              |                 |   |
|       |          |       | S        |              | Г             | П         | Т              | Т              | Т          |            |          | $\neg$   | 7        | Т            | Т       | Т       | Ť       | Ī                                      | Ī      | $\Box$       |          |          |                  | П            |          | T              | Ť      | Ť     | Π        |              | П               |   |
| Final | Original | 17705 | 14       |              |               |           |                |                |            |            | Final    | Original |          |              |         |         |         |  |        |              |          | Final    | Original         |              |          |                |        |       |          |              |                 | • |
|       | Q        | V     | =        |              | ${\sqsubset}$ | П         | $\bot$         | Ţ              | 1          | ]          |          | 5        |          | 7            | 1       | 1       | ļ       | ļ                                      |        |              |          |          | 101              |              | $\Box$   | 1              | 1      | T     | 厂        |              |                 | • |
| 2     | 3        | 00    | Н        | -            | ┢             | H         |                | +              | +          | -          |          | 5        |          | +            | ╁       | +       | ╁       | ╁                                      | H      | ++           | -        | _        | 102<br>103       | Н            | $\dashv$ | +              | +      | ╁     | ┼-       |              | $\vdash$        |   |
| 4     | 4        | 0     | I        |              |               | 口         | 工              | 1              | 1          |            |          | 54       | 1        | $\downarrow$ |         |         |         |  |        |              | ]        |          | 104              |              |          | $\perp$        | 1      |       |          |              |                 |   |
| 5     | 5<br>6   | 0     | 1        | ┝            | ┞             | ╂╾╂       | -              | ┿              | +          | -          | -        | 5        |          | +            | ╬       | ╬       | ╀╌      | ╁                                      | ╀      |              | -        |          | 105<br>106       | H            | $\dashv$ | +              | +      | ╀     | $\vdash$ | Н            | $\dashv$        |   |
| 7     | 7        | V     |          |              |               |           | $\perp$        | 士              |            |            |          | 5        | 7:       | 1            | 土       | 1       | İ       | 上                                      | İ      |              |          |          | 107              |              |          | 士              | 土      |       |          |              |                 |   |
| 8     | 9        | 2     | Н        | -            | ⊢             | $\vdash$  | +              |                | +          | -          | <u> </u> | 59       |          | -            | ╬       | +       | ╀       | ╀                                      | ╀      |              | -        |          | 108<br>109       |              | $\dashv$ | +              | +      | ╀-    | ╀        | $\vdash$     | Н               |   |
| 10    | 10       | 000   | H        | $\vdash$     | ┢             | Н         | +              | -+             | +          | -          | -        | 6        |          | +            | 十       | +       | ╁       | $\vdash$                               | t      | +            | -        |          | 110              |              | $\vdash$ | 十              | +      | ┿     | ╁╌       | -            | Н               |   |
| 11    | 11       | 0     | Į        |              |               |           | $\blacksquare$ | Ţ              | $\perp$    | ]          |          | 6        |          | $\perp$      | 1       | Ţ       | L       |  | L      | $\Box$       |          |          | 111              |              | $\Box$   | $\blacksquare$ | Ţ      | L     |          |              |                 |   |
| 13    | 12<br>13 | 12    | 4        | -            | ┝             | $\vdash$  | +              | +              | +          | -          |          | 6        |          | +            | +       | +       | ╁       | ╁                                      | ┞      | ++           | -        |          | 112<br>113       | -            | $\dashv$ | +              | +      | ╁     | ╁        |              | $\vdash$        | ş |
|       | 14       |       |          |              |               | 口         | 士              |                |            |            |          | 6        | 1        | #            | $\perp$ |         |         |  | L      |              |          |          | 114              |              |          | $\perp$        | 1      |       |          |              |                 |   |
| -     | 15<br>16 | _     | ┞        | L            | ┞             |           |                | +              | +          | -          | <u> </u> | 6        |          | -            | -       |         | ┼-      | ╀                                      | ╀      | ++           | -        | _        | 115<br>116       | _            | -        |                | +      | +     | ┼-       | -            | -               |   |
| -     | 17       | -     | 1        | -            | 1             | Н         | +              | $^{+}$         | +          | -          | -        | 6        |          |              | +       | +       | +       | +                                      | t      | ++           | $\dashv$ | -        | 117              |              | 1        | +              | 十      | +-    | +        |              | Н               |   |
|       | 18       |       |          |              |               |           | $\Box$         | T              | Ţ          | 7          |          | 6        |          | 1            | Ŧ       | Ŧ       | F       |  | Į      | $\Box$       |          | Ī        | 118              |              | $\Box$   |                | 1      | F     | F        |              | П               |   |
| ļ     | 19<br>20 | ┼     | -        |              | ┝             | $\vdash$  | -              | +              | +          | -          | <b> </b> | 6        |          | +            | +       | +       | ╁       | ╁                                      | ╁      | ++           | -        |          | 119<br>120       | -            | -        | $\dashv$       | +      | ╁     | ╁╴       | Н            | Н               |   |
|       | 21       |       |          |              |               |           |                | 丰              |            |            |          | 7        | 1]       | 丰            | 1       |         | I       |  | Ĺ      |              |          |          | 121              |              |          |                | 1      |       |          |              |                 |   |
|       | 22       | ├     | ├        | -            | H             | -         |                | +              | -          | -          | -        | 7:       |          | +            | +       | +-      | ╀       | ╀                                      | ╀      |              | -        |          | 122<br>123       | H            | $\dashv$ | +              | +      | ╁     | ┼-       | -            | Н               |   |
|       | 24       |       |          |              |               |           |                | $\pm$          | $\pm$      |            |          | 7        | 4        | $\pm$        | $\pm$   |         | 1       | <del> </del>                           | t      | ++           |          |          | 124              |              |          | 士              | $\pm$  | 士     |          |              |                 |   |
|       | 25       | F     | <u> </u> |              | _             | $\square$ | 4              | $\downarrow$   | +          | 4          | _        | 7        |          | 4            | +       | -       | 1       | $\vdash$                               | ļ      | ++           | _        |          | 125              |              | $\dashv$ | +              | +      | 1     | -        |              | Н               |   |
| -     | 26<br>27 | ╁     | ╢        | ┝            | -             | H         | +              | +              | +          | -          | -        | 7        |          | -            | +       | +-      | ╁╴      | ╁                                      | H      | +            | -        |          | 126<br>127       |              | $\vdash$ | +              | +      | +     | +        | -            | Н               |   |
|       | 28       |       |          |              |               |           | $\Box$         | $\downarrow$   |            |            |          | 7        | 3        | 1            | 1       |         | T       |  | I      |              |          |          | 128              |              | $\Box$   | $\Box$         | T      | T     |          |              |                 |   |
|       | 29<br>30 | ├-    | -        | ┡            | ├             | $\vdash$  | -              | +              | +          | -          | <u> </u> | 8        |          | +            | +       | +       | ╀       | +                                      | ╀      |              | -        |          | 129<br>130       | -            | Н        | +              | +      | ╀     | +-       | -            | $\vdash$        |   |
|       | 31       |       |          |              |               |           |                | $\pm$          | $\pm$      |            |          | 8        |          | $\perp$      | 士       | _       | $\pm$   |  | İ      |              |          |          | 131              |              |          | 士              |        | T     |          |              |                 |   |
|       | 32       |       | L        | _            | L             |           | -              | $\downarrow$   | 4          | 4          |          | 8:       |          | $\perp$      | 1       | $\perp$ | L       |  | L      | $\Box$       | _        |          | 132<br>133       |              |          |                | 4      | -     | ļ.,      | lacksquare   | Ц               |   |
| -     | 33       | -     | -        | -            | ├-            | $\vdash$  | ╌              | +              | +          | -          | -        | 8        |          | +            | ┿       | +       | ╁       | ╁                                      | t      | ++           | -        |          | 134              | <del> </del> | $\vdash$ | 十              | +      | ╁     | ╁        | <del> </del> | Н               |   |
|       | 35       |       |          |              |               |           | ユ              | $\perp$        |            |            |          | 8        | 5        | $\perp$      | 1       |         |         |  | I      |              |          |          | 135              |              |          |                | 丰      | I     |          |              |                 |   |
|       | 36<br>37 | -     | ├-       |              | -             | $\vdash$  | -              | +              | +          | -          | -        | 8        |          | +            | +       | +       | ╀       | ╀                                      | ╀      | ++           | -        |          | 136<br>137       |              | $\vdash$ | +              | +      | ╀     | ╀        | $\vdash$     | Н               |   |
| -     | 38       | 1     |          |              |               |           |                | T              | $\top$     | _          |          | 8        |          | $\perp$      | T       | 1       | $\perp$ | $\perp$                                | t      |              |          |          | 138              |              |          | 士              | 士      | T     |          |              |                 |   |
|       | 39       |       | E        | L            | L             |           | $\Box$         | 4              | 4          | 4          |          | 8        | _        | $\perp$      | 4       | 1       | Ţ       | L                                      | L      | $\Box$       | _        |          | 139              |              | $\dashv$ | 4              | $\bot$ | Ļ     | L        |              |                 |   |
|       | 40       | ╁     | -        | -            | ┝             | Н         | +              | +              | +          | -          | -        | 9        |          | +            | ┿       | ┿       | ┿       | ┼┈                                     | ╁      | ++           | -        |          | 140              | -            | $\dashv$ | ╅              | ╫      | ╁     | +        | -            | $\vdash$        |   |
|       | 42       | 匚     |          |              |               | 口         | 士              | 丰              |            |            |          | 9:       | 2        | 丰            | #       | 工       | 1       |  | T      | $\Box$       |          |          | 142              |              | $\Box$   | ightharpoons   | 1      |       | 上        |              | 口               |   |
| -     | 44       | ╀     | -        | <del> </del> | -             | $\vdash$  | $\dashv$       | +              | -          | -          | <u> </u> | 9        |          | - -          | +       | +       | ╀       | $\vdash$                               | ╀      | ++           | -        | $\vdash$ | 143              | <u> </u>     | $\dashv$ | +              | +      | +     | ╀        | <u> </u>     | $\vdash \vdash$ |   |
|       | 45       |       |          |              |               |           | _              | _              | 士          |            |          | 9        |          | 士            | +       | +       | 士       | $\pm$                                  | T      |              |          |          | 145              |              |          | $\pm$          | 士      | $\pm$ | 1        |              |                 |   |
|       | 46       |       | $\Box$   | Е            | L             |           | $\Box$         | 7              | 1          | 4          |          | 9        |          | Ţ            | Ţ       | Ţ       | F       | F                                      | F      | $\Box$       | $\Box$   |          | 146              |              | П        | Ţ              | Ţ      | F     | F        | Г            | П               |   |
| -     | 47       | ╁     | $\vdash$ | -            | $\vdash$      | H         | +              | +              | +          | -          | -        | 9        |          | +            | +       | +       | +       | +-                                     | +      | ++           | -        |          | 147              | -            | H        | +              | +      | +     | +-       | ╁            | $\vdash$        |   |
|       | 49       | I     |          |              |               | 口         | 士              | 士              | #          |            |          | 9        | 9        | 土            | 土       | 1       | 上       |  | T      |              |          |          | 149              |              |          | 士              | 1      | I     | I        |              |                 |   |
|       | 50       | L     | L        |              | L             | Ш         |                |                |            | :::        |          | 10       | 0 [      | _[           |         |         | بَــــ  | ــــــــــــــــــــــــــــــــــــــ | L      | 11           |          | L        | 150              | L.           | Ц        |                | ل      |       |          |              |                 |   |
|       |          |       |          |              |               |           |                |                |            |            |          |          |          |              |         |         |         |  |        |              |          |          |                  |              |          |                |        |       |          |              |                 |   |

Application No.

Index of Claims

Applicant(s)